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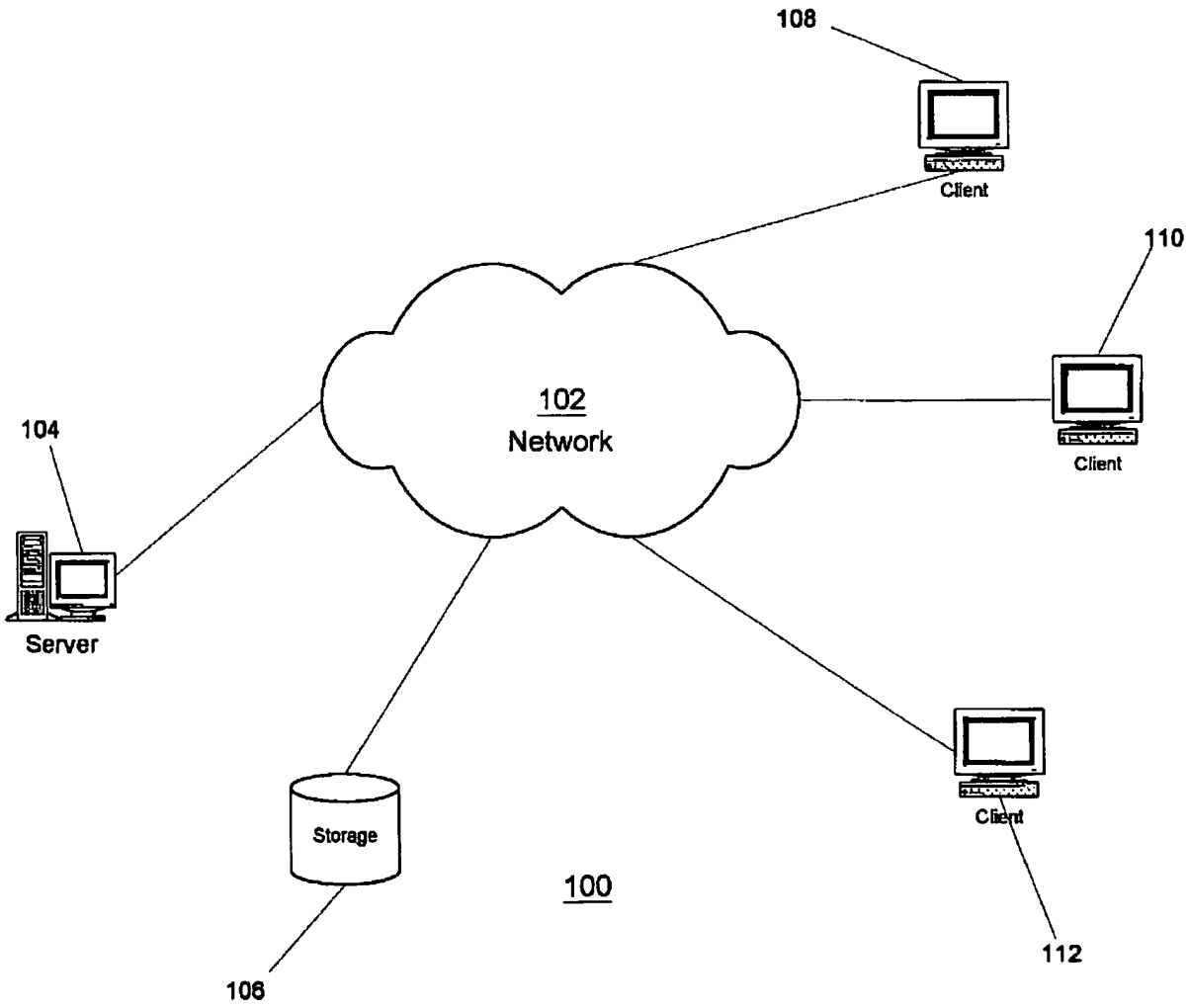
Figure 1

AUS9-2000-0295-US1



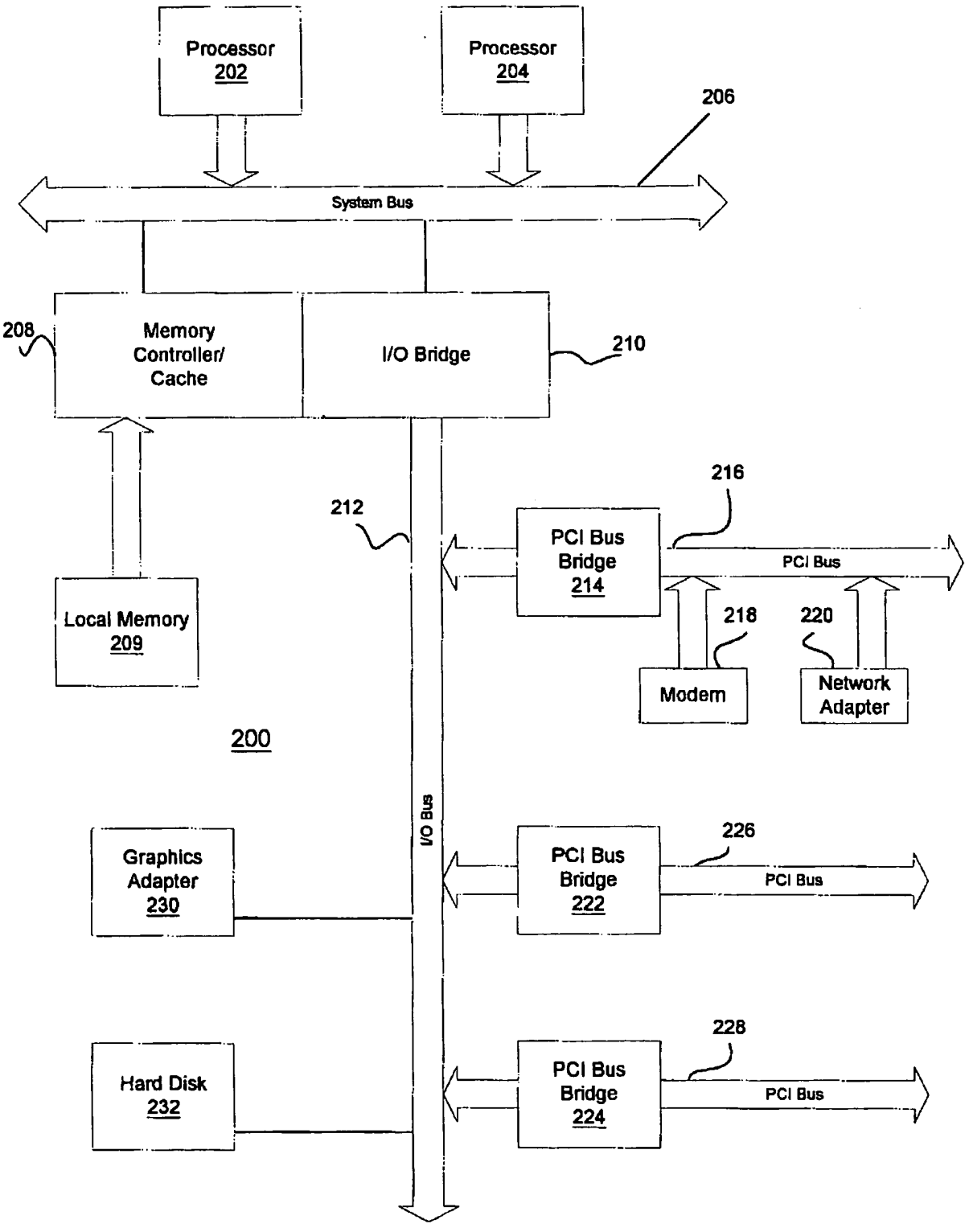


Figure 2

AUS9-2000-0295-US1

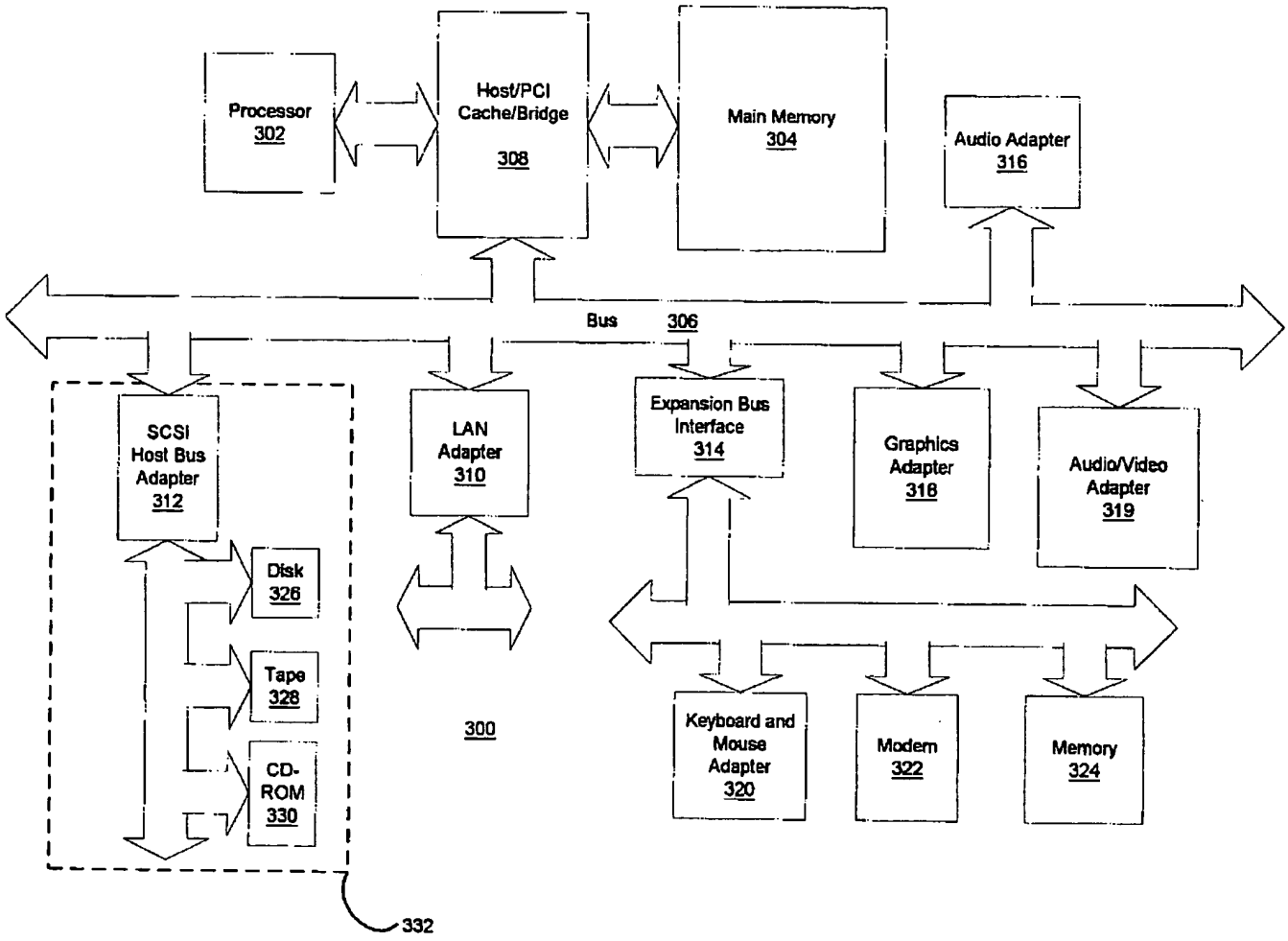


Figure 3

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Figure 4

AUS9-2000-0295-US1

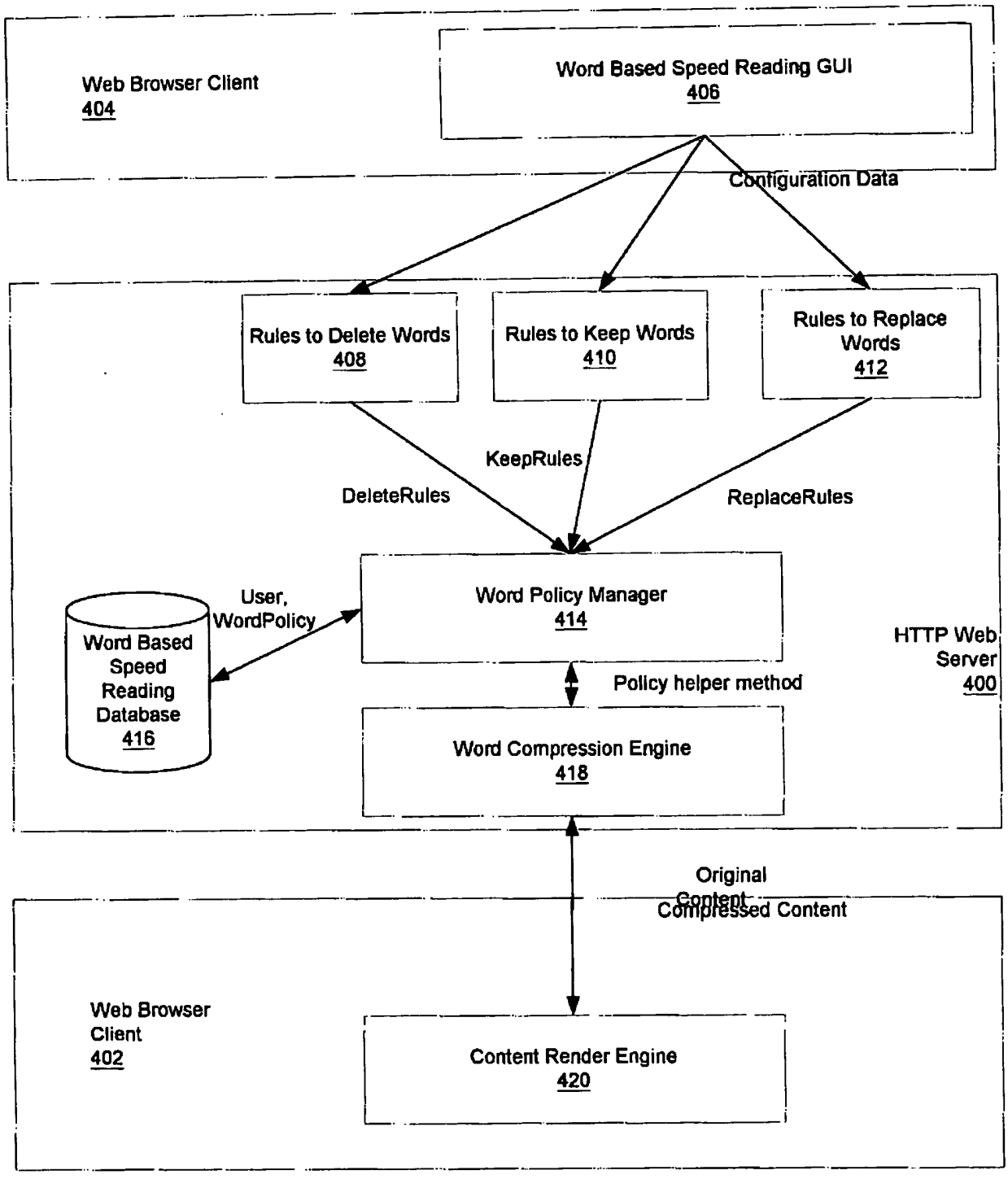

Figure 5

AUS9-2000-0295-US1

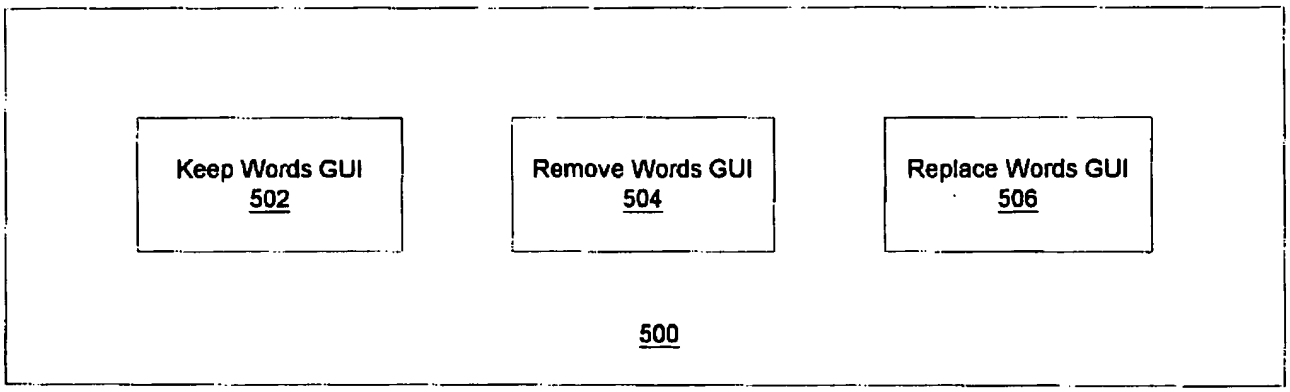

Figure 6

AUS9-2000-0295-US1

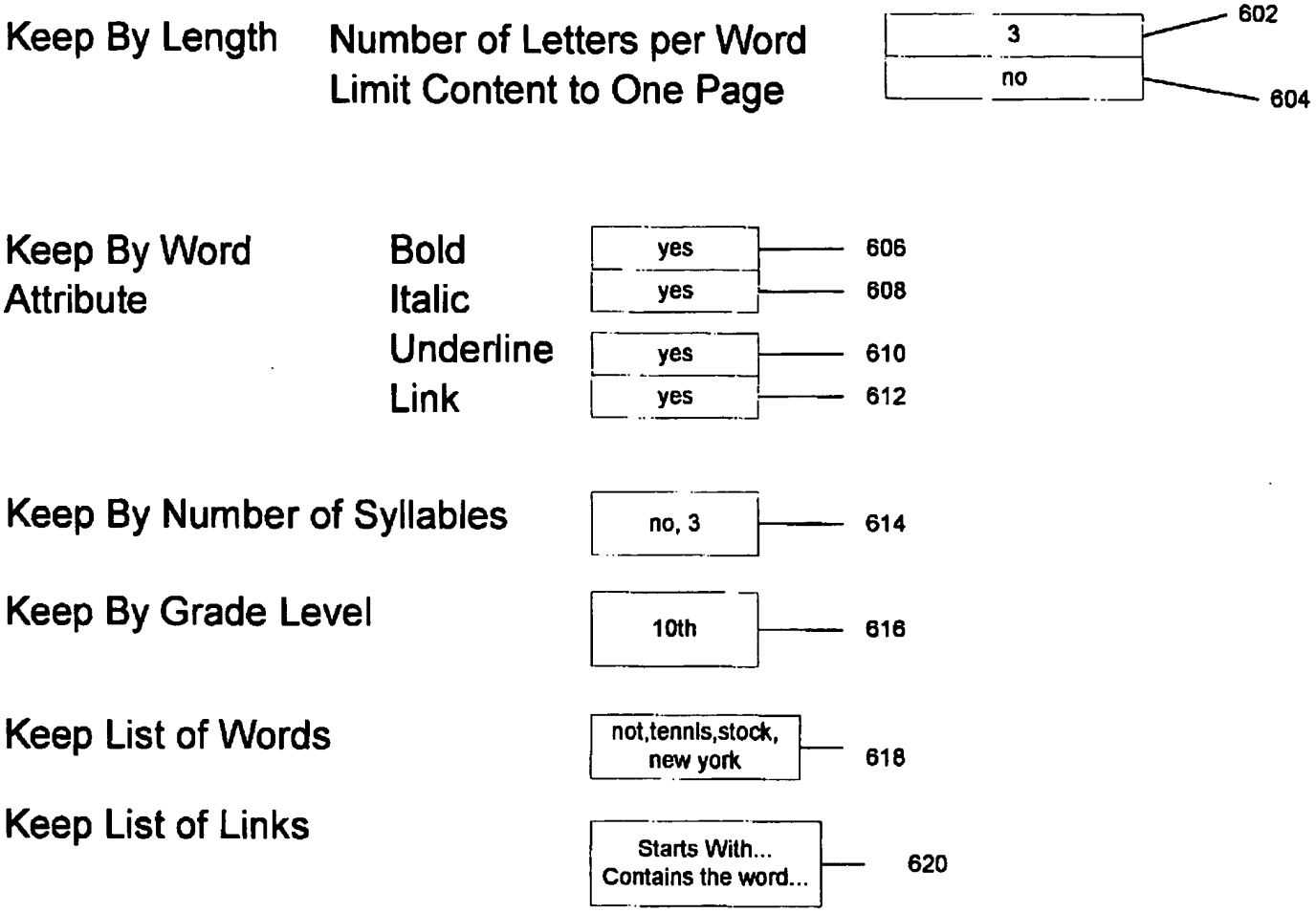

Figure 7

AUS9-2000-0295-US1

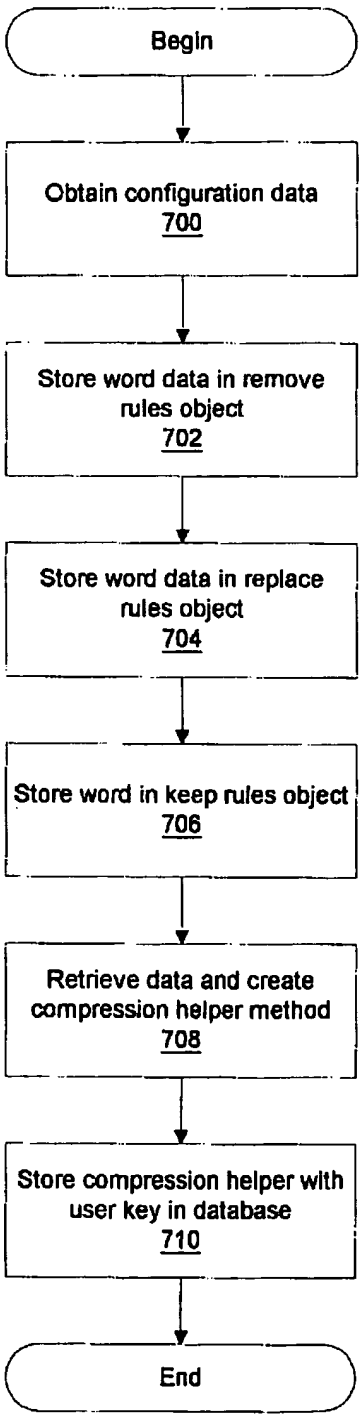

Figure 8

AUS9-2000-0295-US1

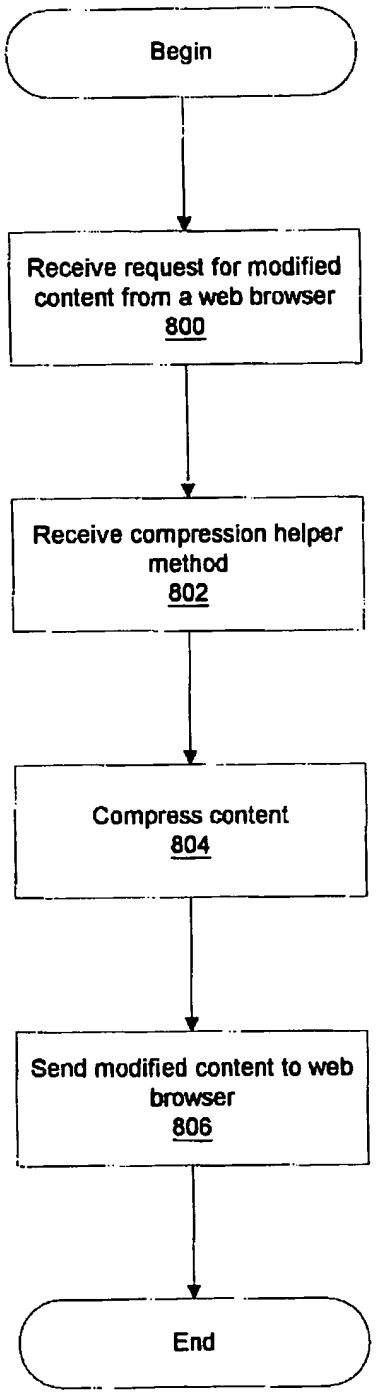

Figure 9A

AUS9-2000-0295-US1

900

```
DeleteWord {  // used if delete words defined in GUI

//init constructor
     DeleteWord (int length, int syllable, int
Difficulty, int attribute)

     //data
     int byLength;
     int bySyllable;
     int byDifficulty;
     int byAttribute;
     Vector removeFullWords;
     Vector removeStartsWithWords;


     //methods
     void setFullWord (String word) {}
     void setStartsWith (String word) {}
     boolean deleteWord (String word) {
          //compare length, difficulty, attrributes
          //compare with removeFullWords list
          //compare with removeStartsWithWords list
         //return true of false

void setWord (String word) {
//used by the GUI to add words to delete (or extended
by Keep Class below)
//add to  Vector
}
void setStartsWithWord (String word) {
//used by the GUI to add words
//add to  Vector
}
```

Figure 9B

AUS9-2000-0295-US1

```
ReplaceWords {  // used if replace words defined in GUI
    //data
    Hashtable wordsToBeReplaced
            //key=word to be replaced
            //value=replacement word
    //methods
    boolean replace (String word) {
      //check hash to decide return true
}
     void setReplacement (String wordToBeReplace,
replacement) {
//used by the GUI to add words
}

   String getReplacement (String word)  { }
}

KeepWords { // used if keep words defined in GUI
        extends DeleteWords

        //init constructor
        KeepWords (int length, int syllable, int
Difficulty, int attribute)

   //methods


   boolean keepWord (String word ) {
          //compare length, difficulty, attributes
          //compare with removeFullWords list
          //compare with removeStartsWithWords list
          //return true or false

          }

}
```

Figure 10

AUS9-2000-0295-US1

1000

```
CompressionHelper {

//methods
String getReplacement (word){ };

     int getNumSyllables (String word) {  return numberOfSyllables }
     int getWordLength (String word)    {  return wordLength }
     int getDifficulty (String word)  { return GradeLevelDifficulty }
     int getAttributes (String word)  //bold=1, underline=2, italic=3, etc.
          {  return VectorOfAttributes

//data
boolean isPartOfWordRemoveList = DeleteWords.deleteWord (word);
boolean isPartOfWordKeepList = KeepWords.keepWord (word);
boolean isPartOfWordReplaceList = ReplaceWords.deleteWord (word);

//init Constructors
CompressionHelper(String word) { };
CompressionHelper(String [ ] words) { };

}
```

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Figure 11

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1100

```
//String getModifiedContent (String OriginalContentInFileFormat) {
        //create InputStream from OrginalContentFile
        //create InputStream for ModifiedContentOutputFile
        //loop through all words
            ifWordOnDeleteList  //create CompressionHelper classes
 with each word to be analyzed in parallel with reading the unmodified
 file content.  After caching the compression helpers away, the boolean
falgs can be used to determine how the modified content is rendered
(word removed, word replaced, word remains intact).
           and NOT on isWordOnKeepList  OR  isWordOnReplaceList
               //delete word
               //break next word
            else IfOnKeepList AND NOT on WordReplaceList
               //break next word
            else  //OnWordReplacelist
              //replace word

             Write result to ModifiedContentOutoutFile

}
```